

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 October 2003 (02.10.2003)

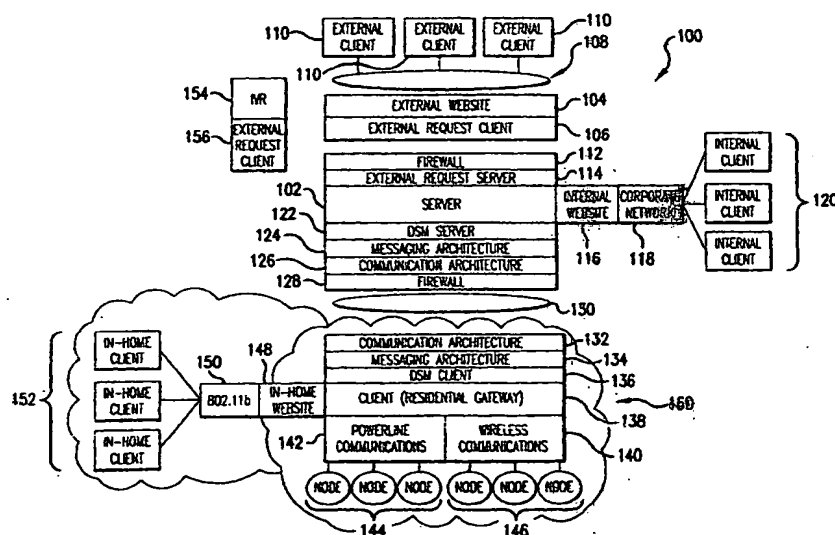
PCT

(10) International Publication Number
WO 03/081448 A1

- (51) International Patent Classification⁷: **G06F 15/16**, 15/173
- (21) International Application Number: PCT/US03/08505
- (22) International Filing Date: 20 March 2003 (20.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/365,619 20 March 2002 (20.03.2002) US
- (71) Applicant (for all designated States except US): **KEYSPAN CORPORATION** [US/US]; One MetroTech Center, Brooklyn, NY 11201 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CRESPO-DUBIE, Daniel** [BR/US]; One Metro Tech Center, Brooklyn, NY 11201 (US). **CLINCHOT, Joe** [US/US]; 36 Ashwood Court, Staten Island, NY 10308 (US). **DECKER, Steve** [US/US]; 345 Soundview Drive, Rocky Point, NY 11778 (US). **MORGAN, Tom** [US/US]; 202 Argyle Road, Brooklyn, NY 11218 (US). **NOGAN, Joseph** [US/US]; One Metro Tech Center, Brooklyn, NY 11201 (US).
- (74) Agent: **GROSSMAN, Jon, D.**; Dickstein Shapiro Morin & Oshinsky LLP, 2101 L Street, NW, Washington, DC 20037-1526 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: HOME GATEWAY ARCHITECTURE AND STATE BASED DISTRIBUTED SYSTEM AND METHOD



(57) Abstract: A state based control system (100) is provided for use with unreliable physical device sensor inputs. The system (100) includes symmetrical architectures between a client side and a server side. Communications between both architectures are state dependent thus minimizing conflicts, and reducing system reliance on consistent device signaling. Physical devices (144, 146) are represented by surrogates which increase system reliability, deepen complexity, and simplify end user experience.

WO 03/081448 A1

WO 03/081448 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.